

Summary of Investigations

Pavement investigations were conducted on Route 41 from PM R1.0 to PM R3.0 for cold-in-place recycling. Cores indicate that the engineering properties of these materials may be improved to provide sufficient strength required to extend the life of this pavement for a few years by recycling the upper portion with asphalt emulsion and capping with hot mix asphalt (HMA).

The general structural section is HMA over aggregate base. At some locations, the base material is native material or cement treated base. Cores indicated a depth of HMA that range from 0.48 foot to 0.85 foot. Core samples taken were not uniform in appearance. Some core samples show fabric materials at the depth of 0.21 foot to 0.37 foot from the pavement surface.

The existing asphalt concrete appears to have some rutting, pumping failures, transverse and longitudinal cracking. There are some occasional dig outs in the wheel path, and isolated alligator cracking within the project limits.

Any reliance placed by the contractor on this information shall be at their own risk and they shall undertake their own separate testing program to determine the materials present and conditions prevailing at the time of construction.

Fre-41 AC Thickness

